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TECHNICAL DATA SHEET

TDS-ENZ147-EN · REV. 02 · 2026-11-03

Glucose Oxidase Enzyme For Animal Feed Additives

Glucose oxidase for animal feed additives, generating hydrogen peroxide and gluconic acid in the intestine.

SKU **ENZ147** CATEGORY **ENZYMES FOR ANIMAL FEED** CAS **9001-37-0** TYPE **FEED GRADE ENZYME**

APPEARANCE **POWDER**

Produced by submerged fermentation

Not restricted for transport

OPTIMUM TEMPERATURE	OPTIMUM PH	SHELF LIFE	FORM
30°C-40°C	**5.5-6.3**	**12 months**	**Powder**
working range 25°C-60°C	working range pH 3.0-7.0	sealed, see storage below	yellowish; color varies by batch

SPECIFICATION

IDENTITY		
CAS number	9001-37-0	Typical
Appearance	Powder	Typical
PHYSICAL		
Colour	Yellowish	Typical
Odour	Normal fermentation odour	Typical
ACTIVITY		
Activity temperature	25°C-60°C	Typical
Activity pH	3.0-7.0	Typical
WORKING WINDOW		
Optimum temperature	**30°C-40°C**	Typical
Optimum pH	**5.5-6.3**	Typical

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Keep sealed in a dry and cool place and avoid direct sunlight

PACK SIZE
1 kg / bag

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Improve intestinal microflora
Feed additive that upgrades the biological value of feed

Damage aflatoxin by oxidation
Reduces toxin in feed and supports animal health

Lower intestinal pH
Benefits digestion and absorption of nutrients

Remove oxygen in the intestine
Creates an aerobic environment and generates hydrogen peroxide

DOSAGE

5-8 g/MT of complete feed

application rate per activity grade of the product

Activity ≥200 u/g	**200~300 g/MT**
Activity ≥1100 u/g	**50 g/MT**
Activity ≥2800 u/g	**30 g/MT**
Activity ≥10000 u/g	**5-8 g/MT**

Rates are in g/MT of complete feed.
Headline shows the rate for the ≥10000 u/g grade.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/glucose-oxidase-enzyme-for-animal-feed-additives

Enzyme preparations are proteins that may induce sensitization; avoid skin contact and consult a doctor if irritation or allergic response develops. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER